

## Features

- WHITEBOX OPEN™ Platform
- Dual Intel® Xeon® Scalable CPU
- 28x 3.5" Hot-Swap HDD Bays
- 16 DIMMs (up to 2TB of memory)
- OCP 1/10/25/40/50/100 GbE ports
- Open BMC Management



## Specifications

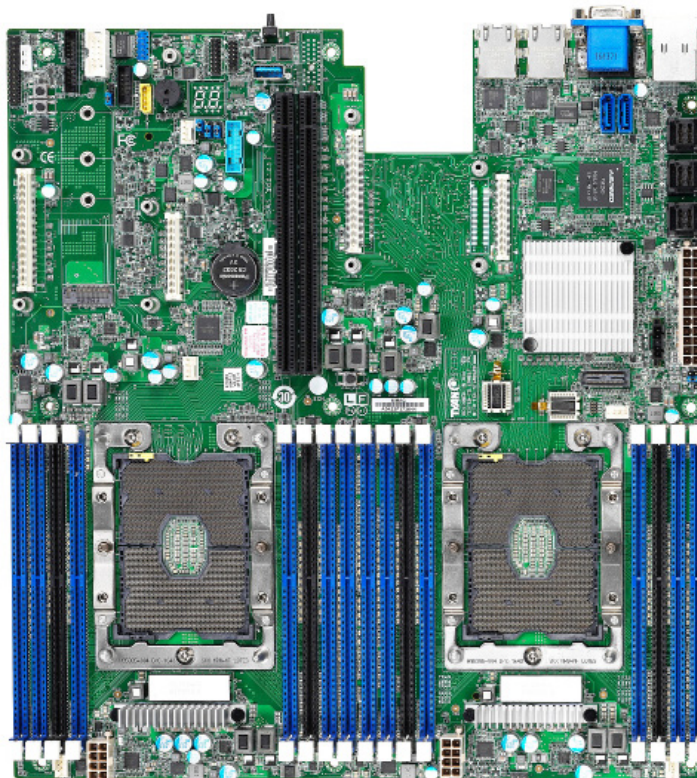
<b>Format</b>	2U Rackmount
<b>Motherboard</b>	Tyan S7106GM2NR
<b>Processor</b>	Dual Intel® Xeon® Scalable (up to 205W with FRU-SO-9140)
<b>Chipset</b>	Intel® C621 Chipset
<b>Memory</b>	6 memory channels per CPU Up to 1,024GB total memory 16 DDR4 ECC registered DIMM slots
<b>Front Panel</b>	Power, RST, UID buttons, 1x USB3.0 port
<b>LEDs</b>	PWR, HDD, LAN, Warning, UID
<b>Drivebays</b>	28x 3.5" HDD + 4x2.5" 7mm or 2x2.5" 15mm internal drive bays
<b>Backplane</b>	SAS 12Gb/s, 12Gb passive + 4x NVMe, 12Gb passive
<b>Expansion Slots</b>	2x PCIe x16 used by storage controllers
<b>OCP</b>	2x OCP 2.0 x16 (LAN+Storage) Opt: 2x Oculink 8x connectors for 4x NVMe ports

### System BIOS

<b>BIOS Type</b>	AMI / 32MB
<b>BIOS Features</b>	Hardware Monitor SMBIOS 3.0 PnP/Wake on LAN Boot from USB device PXE via LAN Storage User Configurable FAN PWM Duty Cycle Console Redirection ACPI sleeping states S4,S5 ACPI 6.1

### On-board Devices

<b>SATA</b>	2x Mini-SAS HD (8-ports) C621 chipset 6Gb/s RAID 0/1/10/5
<b>sSATA</b>	2x SATA-III, 1x Mini-SAS HD (4-ports) C621 chipset 6Gb/s RAID 0/1/10/5
<b>NVMe</b>	1x M.2 slot, up to 4 internal 2.5" 7mm
<b>IPMI</b>	Onboard Aspeed AST2500 BMC Chipset 10/100/1000 Mb/s MAC interface IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash USB 2.0 virtual hub
<b>Network Controllers</b>	2x 1GbE 1x 1GbE dedicated for IPMI
<b>Graphics</b>	Aspeed AST2500 up to 1920x1200 D-sub 15-pin connector



<b>Rear I/O</b>	LAN	2x RJ-45 1GbE 1x GbE dedicated for IPMI	<b>Environmental Specifications</b>	10° C ~ 35° C (50° F~ 95° F)
	USB	2x USB3.0 at rear		
	VGA	1x D-SUB VGA		
	Serial Port	1x DB-9		
<b>Power Supply</b>	850 Watt redundant power supplies		<b>Gross Weight</b>	24 kg (53 lbs)
<b>System Cooling</b>	4x 60mm and 2x 40mm fans		<b>Dimensions</b>	(D x W x H): 34.5in x 17.62in x 3.43in 876mm x 449mm x 87mm
<b>System Management</b>	10/100/1000 Mb/s MAC interface IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash USB 2.0 virtual hub		<b>Mounting</b>	Tool-free Rail Kit
<b>Open BMC</b>	Temp (CPU, memory, system) Voltage (CPU, memory, chipset, PS) LED- Over Temp warning, Fan/PSU fail watchdog timer support			